

WHAT IS CLAIMED IS:

1. A method for authenticating a recording medium, the method comprising the steps of:

5        acquiring, from the recording medium, unique data that is recorded on an information track on the recording medium in accordance with a predetermined rule; and

         authenticating the recording medium based on the unique data acquired in the data acquisition step.

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2. A method according to claim 1, wherein the predetermined rule is based on a plurality of types of recording methods.

15        3. A method according to claim 2, wherein the plurality of types of recording methods comprises an uninterrupted recording method and an incremental recording method.

         4. A method according to claim 3, wherein the  
20        uninterrupted recording method is a track at once recording method, and the incremental recording method is a packet write recording method.

         5. A method according to claim 1, wherein the unique  
25        data comprises information for identifying the recording

method.

6. A method according to claim 1, wherein the unique data comprises at least one of data in a track descriptor unit and data in a sub-code control.

7. A method according to claim 1, wherein the unique data comprises data within a runout.

10 8. A method according to claim 1, wherein the unique data comprises data within a predetermined packet.

9. A method according to claim 1, wherein the unique data comprises data that is recorded in multiple sessions.

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10. A method according to claim 1, wherein the unique data comprises data that is recorded in a variable packet.

11. A method for authenticating a recording medium, the method comprising the steps of:

acquiring, from the recording medium, unique data that is recorded in a variable packet on an information track on the recording medium in accordance with a predetermined rule; and

25 authenticating the recording medium based on the unique

data acquired in the data acquisition step.

12. A method according to claim 11, wherein the recording medium has, in a first session, a second track as a dummy track not present in the ISO 9660 file system and wherein the information track comprises an LIA (lead in area) and a PMA (program memory area).

13. A method according to claim 12, wherein the unique data comprises track information.

14. A method according to claim 13, wherein the track information identifies a recording method of the track.

15. A method according to claim 13, wherein the track information identifies a recording position of the track.

16. A method according to claim 12, wherein the recording medium records data in multiple sessions.

17. A method according to claim 16, wherein the information track comprises a PMA and a second track that is additionally recorded.

18. A method according to claim 17, wherein the unique

data of the second track that is additionally recorded  
comprises a disk ID.

19. A computer program for causing a computer to  
5 perform an instruction for authenticating a recording medium,  
the instruction comprising the steps of:

acquiring, from the recording medium, unique data that  
is recorded on an information track on the recording medium  
in accordance with a predetermined rule; and

10 authenticating the recording medium based on the unique  
data acquired in the data acquisition step.

20. A computer readable recording medium storing a  
computer program for causing a computer to perform an  
15 instruction for authenticating a recording medium, the  
instruction comprising the steps of:

acquiring, from the recording medium, unique data that  
is recorded on an information track on the recording medium  
in accordance with a predetermined rule; and

20 authenticating the recording medium based on the unique  
data acquired in the data acquisition step.

21. A computer readable recording medium comprising a  
read-only memory area and a read and write memory area, and  
25 storing, on the read and write area, a computer program for

causing a computer to perform an instruction for authenticating a recording medium, the instruction comprising the steps of:

acquiring, from the recording medium, unique data that  
5 is recorded on an information track on the recording medium in accordance with a predetermined rule; and

authenticating the recording medium based on the unique data acquired in the data acquisition step.

10 22. An optical disk drive system, comprising:

a memory storing a program; and

a processor configured to execute the program stored in the memory,

wherein the program includes an instruction for  
15 authenticating a recording medium, the instruction comprising the steps of:

acquiring, from the recording medium, unique data that is recorded on an information track on the recording medium in accordance with a predetermined rule; and

20 authenticating the recording medium based on the unique data acquired in the data acquisition step.